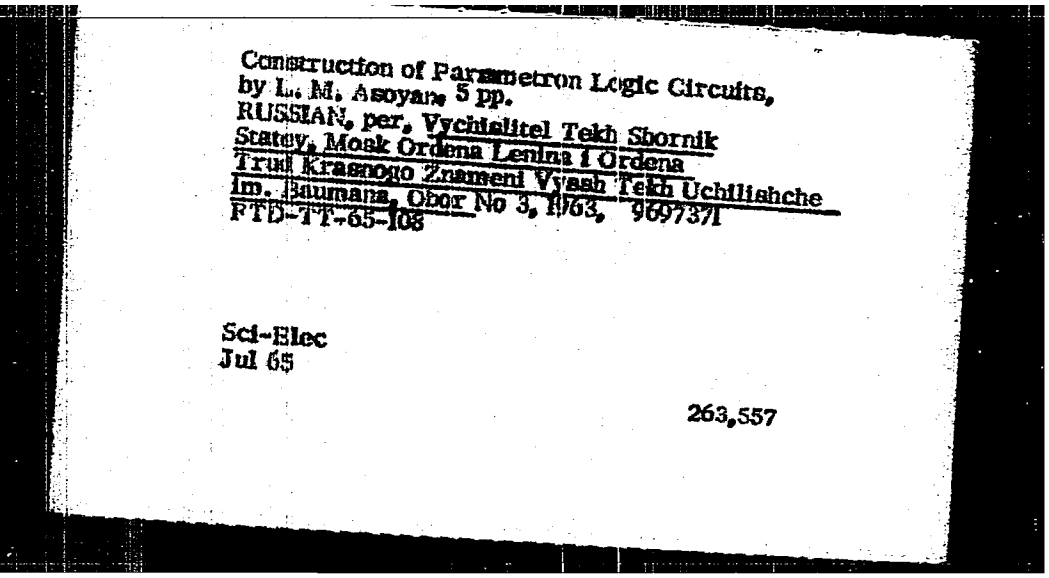
APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



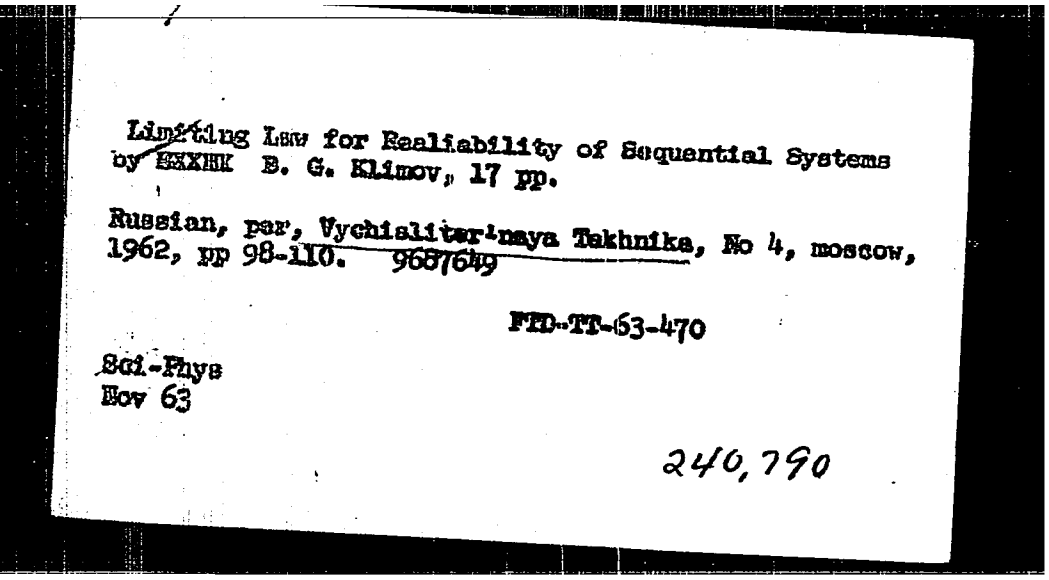
Construction of Parametron Logic Circuits, by L. M. Asoyan, 5 pp.
RUSSIAN, per. Vychislitel Tekh Sbornik Statey, Mosk Ordena Lenina I Ordena Trud Krasnogo Znameni Vyssh Tekh Uchilishche im. Baumana, Obor No 3, 1963, 969737I
FTD-TT-65-108

Sci-Elec
Jul 65

263,557

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



Limiting Law for Realiability of Sequential Systems
by B. G. Klimov, 17 pp.

Russian, par, Vychislitel'naya Tekhnika, No 4, moscow, 1962, pp 98-110. 9687649

FTD-TT-63-470

Sci-Phys
Nov 63

240,790

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

The Parametron — A Component of Digital Computers,
by L. M. Asoyan.
RUSSIAN, per, Vychislitel Tekh, No 3, 1963, pp 74-90.
*FTD-TT-65-108

Sci - M & D Proc
Feb 68

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Some Problems in Parametron Research,
by L. M. Aboyan, M. G. Gevorkyan.
RUSSIAN, per, Vychislitel Tekh, No 3, 1963, pp 103-121.
*FTD-TT-65-108

Sci - M & D Proc
Feb 66

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Analysis of the Structure of the Construction of Signs, by A. S. Rudakov, 14 pp.
RUSSIAN, per [illegible] Vychisl Tekh, No 3, 1963, pp 153-164.

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

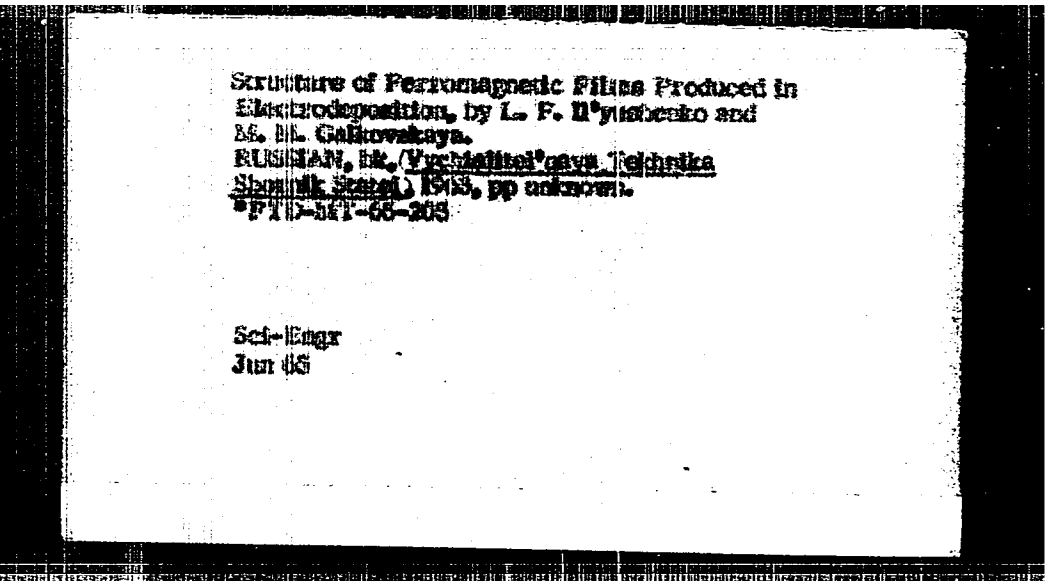
APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Algorithm and Control System for Open-Hearth Furnaces, by M. I. Korobko, G. F. Martynyuk.
RUSSIAN, rpt, Vychisl Tekhn Dlya Avtomatiz, Proiz-va, 1964, pp 107-117.
*FTD HT 23-895-67

Sci-Mechanical
Jun 67

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

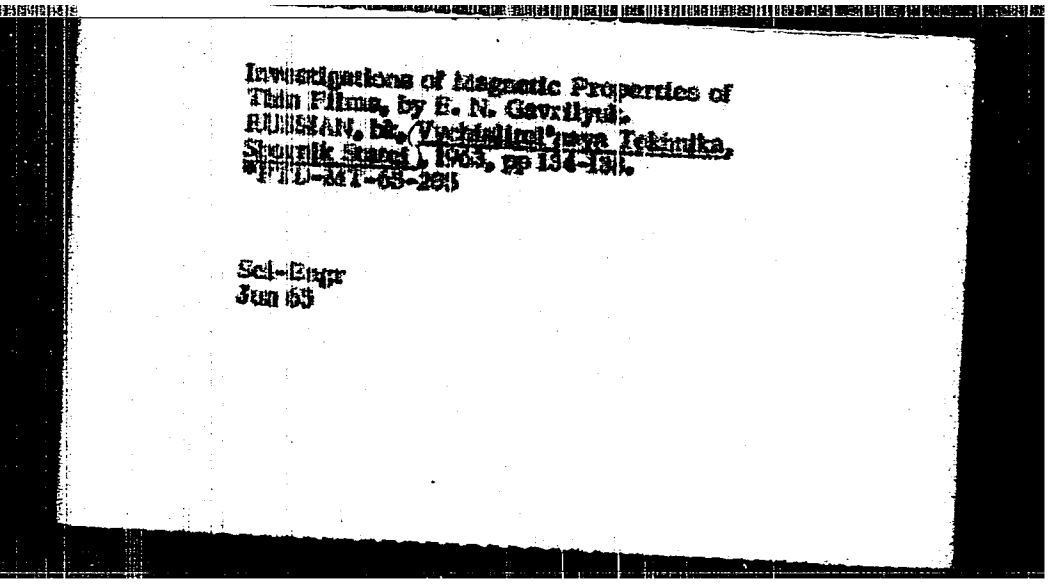


Structure of Ferromagnetic Films Produced in Electrodeposition, by L. F. Il'yushenko and Ye. M. Gallovskaya.
RUSSIAN, bk. (Vychislitel'naya Tekhnika Sbornik Statey) 1963, pp unknown.
*FTD-TT-65-205

Sci-Engr
Jun 65

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



Investigations of Magnetic Properties of Thin Films, by E. N. Gavrilyuk.
RUSSIAN, bk. Vychislitel'naya Tekhnika, Sbornik Statey, 1963, pp 134-151.
AFTD-MT-65-285

Sel-Engr
Jun 69

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

On Construction of Serial-Parallel Digital-Differential Analyzer, by A. V. Kalyayev and R. V. Korobkov, 18 pp.
RUSSIAN, per, Vychislitel'naya Tekhnika v Upravlenii. Sbornik Trudov III Vsesoyuznoy Konferentsii-Seminara po Teorii i Metodam Matematicheskogo Modelirovaniya, Ioffe ... 1...

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Desk-Sized Electronic Computer with Keyboard,
by A. M. Shaumam and M. K. Chirkov,
RUSSIAN, rpt, Vychislitel'naya Tekhnika i
Voprosy Programmirovaniya, No 1, 1962, pp 3-10.
*FTD-HT-66-36

Sci-Electr & Elect Engr
Jan 67

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Some Problems of Input-Output of Data in a Keyboard Desk Computer, by M. K. Chirkov, I. Ya. Beremnaya and A. P. Shartukov, 11 pp. RUSSIAN, per, Vychislitel'naya tekhnika i voprosy programmirovaniya, No 1, 1962, pp. 48-57.
JPRS 30892

UDSR
Sci-Math/DP
Jul 65

282,947

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Modelling the Memory Process in the Simplest Nervous Net on a Computer, by R. M. Granovskaya, V. A. Gamzen, and G. Ya. Krivova, 5 pp. RUSSIAN, per, Vychislitel'naya Tekhnika i Voprosy Programmirovaniya, No 3, 1964, pp. 58-62.
JPRS 30346

USSR
Sci-Math & IP
Jun 65

281,405

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Algorithm for Character Recognition, by V. I. Rudnamskiy, 6 pp.
RUSSIAN, per, Vychislitel'naya Tekhnika i Voprosy Programmirovaniya, No 3, 1964, pp. 63-69.
JPRS 30323

USSR
Sci-Math & D.P.
Jun 65

281,255

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

79. [illegible], no. 3, 1964, pp. 69.
JPRS 30323

USSR
Sci-Math & D.P.
Jun 65

281,256

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Device for Computing and Modelling Neurons,
by V. A. Gennen and R. M. Gramovskaya, 7 pp.
RUSSIAN, per, Vychislitel'naya Tekhnika i
Voprosy Programmirovaniya, No 3, 1964,
pp. 84-90.
JPRS 30346

USSR
Sci-Math & DP
Jun 65

281,406

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

CSO-1801 (AP)

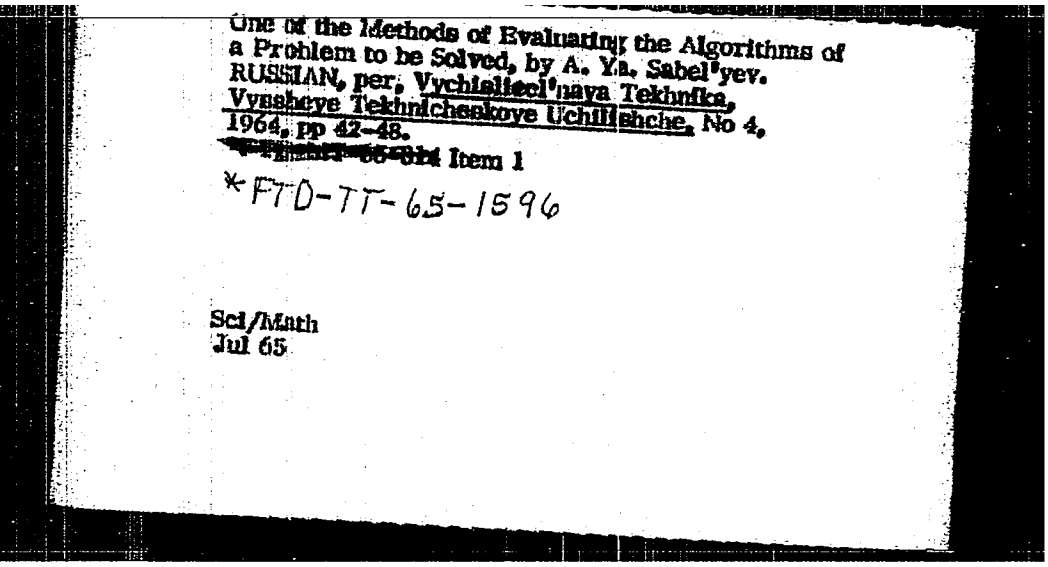
RUSSIAN, per, Vychislitel'naya Tekh i Voprosy Programm, No 3, 1964, pp 63-83.

*JPRS

Sci
Mar 65

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



One of the Methods of Evaluating the Algorithms of a Problem to be Solved, by A. Ya. Sabel'yev. RUSSIAN, per, Vychislitel'naya Tekhnika, Vysshaye Tekhnicheskoye Uchilishche, No 4, 1964, pp 42-48.

[redacted] Item 1

*FTD-TT-65-1596

Sci/Math
Jul 65

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Improving the Accuracy Characteristics of "Analog - digit" Converters, by N. N. Ustinov, V. V. Meyer.
RUSSIAN, per. Vychislitel'naya Tekhnika, Vyssheye Tekhnicheskoye Uchilishche, No 4, 1964, pp 53-67.
[illegible] Item 2

*FTD-TT-65-1596

Sci/Math
Jul 65

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Calculation of Thermodynamic Functions From Molecular Data, by Ivan Nicolaivich Godnev.

RUSSIAN, bk, Vychislenie Termodinamicheskikh Funktsii po Molecul'arnym Dannym, 1956, 339 pp.

AEC Tr-3855

Sci - Phys
Aug 62

211,446

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

On Algorithms That Can be Effectively Realized by Computer Systems, by G. A. Bekishev, 14 pp. RUSSIAN, per, Vychislitel'nyye Sistemy, No 7, 1963, pp 24-37.
JPRS 27,906

Sci-Math & Data Processing
Feb 65

272,938

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Efficient Solution of Very ~~Simpl~~ Simple Problems in Matrix Algebra by Means of Computer Systems Containing L Machines, by G. A. Bekishev, 29 pp. RUSSIAN, per, Vychislitel'nyye Sistemy, No 9, 1963, pp 3-29.
JPRS 27,907

Sci-Math & Date Processing
Feb 65

272,940

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

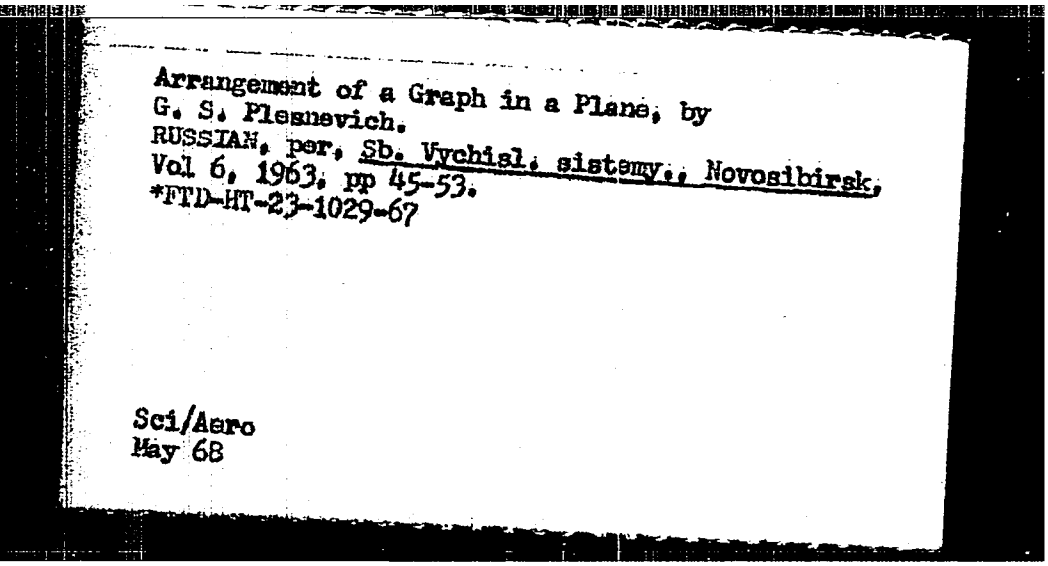
Computer Elements and Systems, Collection of Papers, Issues No 1-9, 1962-1963.
RUSSIAN, rpt, Vychislitel'nye Sistemy, 1963, pp 1-391.
AEC-tr-6637/1-9

Sci-Electr & Elect Engr
Feb 67

318,225

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

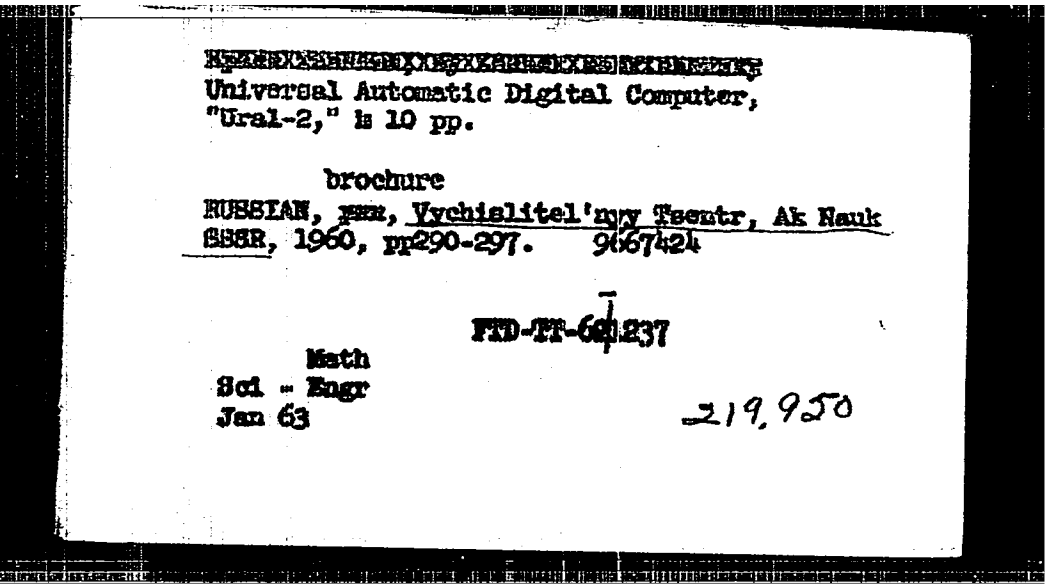


Arrangement of a Graph in a Plane, by
G. S. Plesnevich.
RUSSIAN, per, Sb. Vychisl. sistemy., Novosibirsk,
Vol 6, 1963, pp 45-53.
*FTD-HT-23-1029-67

Sci/Aero
May 68

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



Universal Automatic Digital Computer,
"Ural-2," is 10 pp.

brochure
RUSSIAN, ~~xxx~~, Vychislitel'nyy Tsentr, Ak Nauk
SSSR, 1960, pp290-297. 9067424

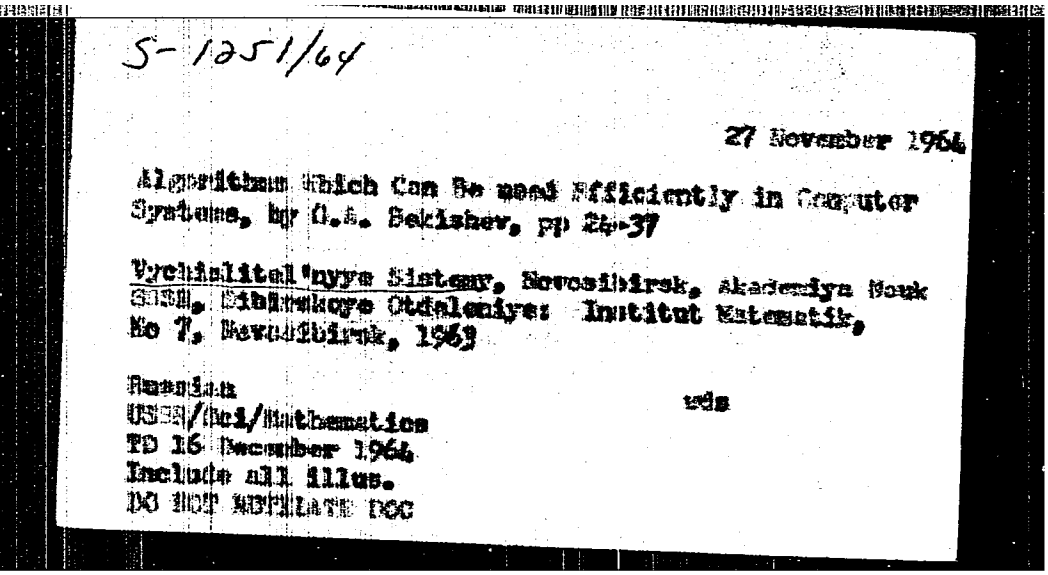
FTD-TT-62/237

Math
Sci - Engr
Jan 63

219,950

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



S-1251/64

27 November 1964

Algorithms Which Can Be used Efficiently in Computer Systems, by O.A. Bekisher, pp 24-37

Vychislitel'nyye Sistemy, Novosibirsk, Akademiya Nauk SSSR, Sibirskoye Otdeleniye: Institut Matematik, No 7, Novosibirsk, 1963

Russian
USSR/Tech/Mathematics
TD 16 December 1964
Include all illus.
DO NOT MICROFILM DOC

vds

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

S-1250/64

27 November 1964

The Efficient Solution of Very Simple Problems in Matrix Algebra by Means of a Computer System Consisting of 1 Machine, by G.A. Mekishev, pp 3-29

Vychislitel'nyye Sistemy, Novosibirsk, Akademiya Nauk SSSR, Sibirskoye Otdeleniye: Institut Matematiki, No 9, Novosibirsk, 1963

Russian
US R/Sci/Math
TD 16 December 1964
Include all illus.
DO NOT MUTILATE DOC

eds

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Method of Characteristics For Calculating the Flow of an Imperfect Gas, by I. N. Naumova.
RUSSIAN, pbf, Vychislitel'nyy Tsentr An SSSR, 1964.
*FTD-HT-65-364

Sci-Phys
Aug 65

287,464

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Solution of Boundary Layer Equation, by
I. Yu. Brailovskaya, L. A. Chudov, 1962.

RUSSIAN, per, Sbornik Rabot Vychislitel'nogo Tsentra Moskvskogo Universiteta, Vychislitel'nyye Metody i Programmirovaniye, Moscow, No 1, 1962, pp 167-182. 966936 5

*FTD-TT-63-285

Sci - Phys
~~KXW~~ 8 Mar 63

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Design of Axisymmetric Nozzles Taking into Account Equillibrium Physical-Chemical Transformations by U. G. Pirumov, V. A. Rubtsov, et al.
RUSSIAN, per. Vychislitel'nyy Tsentr Sbornik Rabot Moskva Universitet, No 2, 1963, pp 48-60.
*FTD MT 67-29

Sci-Elect
Jun 67

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Computers in Automatic Systems (Table of Contents of the Book), by A. A. Fel'dbaum, 15 pp.

RUSSIAN, bk, Vychislitel'nyye Ustroystva v Avtomaticheskikh Sistemakh, 1959, pp 3-7.

CIA/FDD X-4826

Sci

Mar 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Computers in Automatic Systems, by
A. A. Fel'dbaum, 17 pp.
RUSSIAN, per. Vychislitel'nyye Ustroystva
v Avtomaticheskikh Sistemakh, 1959,
pp 367-376. 9698226
FTD-TT-65-618

Sci - Elec
Dec 65

291,944

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

(NY-6930)

Self-Adaptive Systems, by A. A. Feld'baum, 183 pp.

RUSSIAN, bk, Vychislitel'nyye Ustroystva v Atomaticheskikh Sistemakh, 1959, pp 634-700, 787-788.

JPRS 13190

Sci - Engr
Apr 62

190,525

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

An Outstanding Machine Builder of the 18th Century, by A. S. Britkin, S. S. Vidonov. 120 pp.
RUSSIAN, pbk. Vydayushchiisya Mashinostroitel' XVIII veka A. K. Nartsov. 1950.
SFCM TT 64-11111

Sci/Engineering
Aug 65

287,394

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Separation of Deterium form Hydrogen by Deep Cooling (Chapters III, VI and VIII), by M. P. Malkova.
RUSSIAN, bk, Vydeleniye Deyteriya iz Vodoroda Metodom Glubokogo Okhlazhdeniya, 1961, pp 33-51, 86-107, 114-130.
FTD-S-180

Dec 68

354,675

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Separate Organization for Planning the Reconstruction of the National Economy, 14 pp.

RUSSIAN, bk, Vydeleniye planirovaniya tekhnicheskoy rekonstruktsii nar. khozyaystva, USSR, 11 October 1955.

CIA/FDD/X-1948

USSR

29,887

Econ

R-434

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Separation of Signals on the Background of Random Interference, by L. A. Vaynshteyn, V. D. Zybakov.

RUSSIAN, bk, Vydeleniye Signalov na Fone Sluchaynykh Pomekh, ~~in~~ 1960, 447 pp.

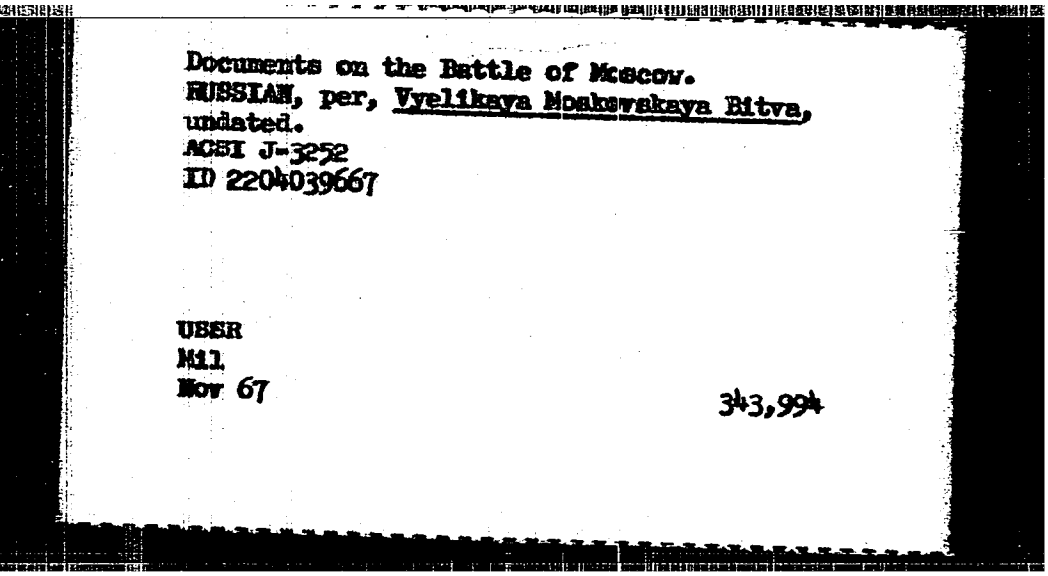
*Prentice Hall

$12.00

10 May 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



Documents on the Battle of Moscow.
RUSSIAN, per, Vyelikaya Moskovskaya Bitva,
undated.
ACSI J-3252
ID 2204039667

USSR
Mil
Nov 67

343,994

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Like Brothers in One Family, by N'uan Tay, 8 pp.

RUSSIAN, per, V'yetnam, No 10, (26), 1959, pp 12, 13.

USASIA, ACSI, H-6704

FE - Vietnam

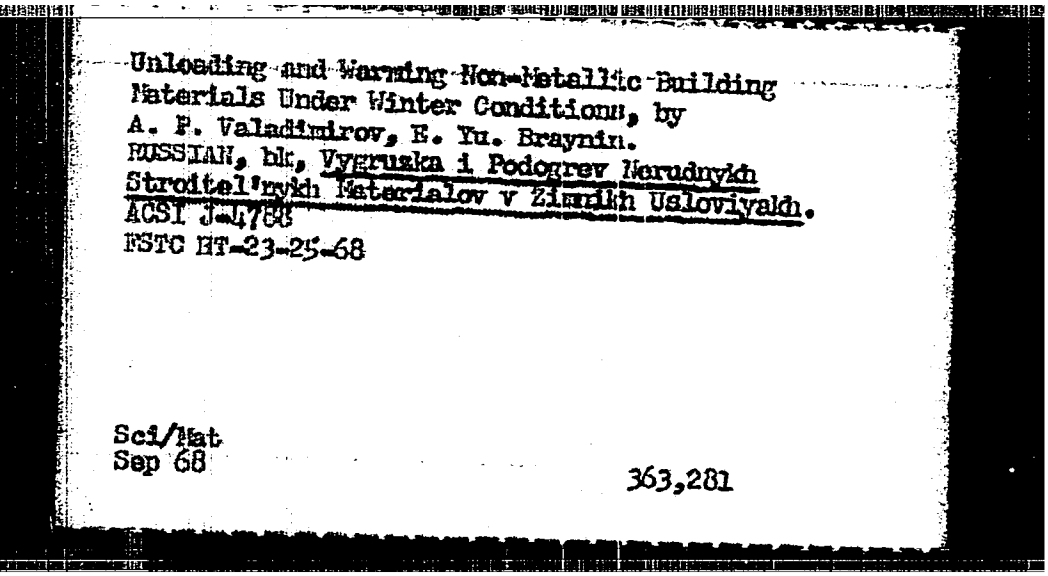
Biographic

Aug 60

121,965

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



Unloading and Warming Non-Metallic Building Materials Under Winter Conditions, by A. P. Valadimirov, E. Yu. Braynin.
RUSSIAN, bk, Vygruska i Podogrev Nerudnykh Stroitel'nykh Materialov v Zimnikh Usloviyakh.
ACSI J-4788
FSTC HT-23-25-68

Sci/Mat
Sep 68

363,281

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Yield of Some Fragments During the Fission of Th^{232} by 14.3 MEV Neutrons, by V. A. Vlasov, Yu. A. Zyain, I. S. Kirin, 10 pp.

RUSSIAN, bk, Vykhody Nekotorykh Oskolkov pri Delenni Th^{232} Neitronami s Energiey 14.3 Mev, 1960. 90974535

AEC Tr-4665

176,813

Sci - Nuc Phys
Dec. 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Yields of a Number of Fission Products in the Fission of Uranium-235, Uranium-238, and Plutonium-239 239 by Neutrons, by K. A. Petrzhak, G. M. Tolmachev, V. N. Yushatskiy, 10 pp.

RUSSIAN, bk, Vykhody Nekotorykh Oskolkov pri Delenii Urana-235, Urana-238, i Plutoniya-239 Neytronami Deleniya, 1960. 9094703

AEC Tr-4696

176,805

Sci - Phys, Chem
Dec 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Fission Product Yields From the Fission of U^{235} and U^{238} With Fast Neutrons, by E. K. Bonyushkin, Yu. S. Zamyatnin, I. S. Kirin, 13 pp.

RUSSIAN, bk, Vykhody Oskolkov Deleniya U^{235} i U^{238} Bystrymi Neitronami, 1960. 9093911

AEC Tr-4682

Sci - Nuc Phys
Nov 61

171,282

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Yields and Mass Distribution of Fission Products, by Yu. A. Zysin, et al.

RUSSIAN, mono, Vykhody Produktov Deleniya i Ikh Raspredelenie po Massam, Moscow, 1963, 119 pp.

*CB (AVailable June 1965)

Sci-Nuc Sci
July 64

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

FORCED VIBRATIONS OF A SYSTEM WITH ONE DEGREE OF FREEDOM IN THE PRESENCE OF DRY FRICTION AND WITH AN OPERATING ARBITRARY EXCITING FORCE. VOL IV. PROBLEMS OF DYNAMICS AND DYNAMIC STRENGTH.

RUSSIAN, BK, VYNUZHDENNYE KOLEBANIA SISTEMY S ODNOY STEPEN'U SVOBODY PRI NALICHII SUKHOGO TRENIA I PRI PROIZVOL'NOI VOZMUSHCHAYUSHCHEY SILE. SBORNIK STATEY. VOL IV, 1956, PP 95-121.

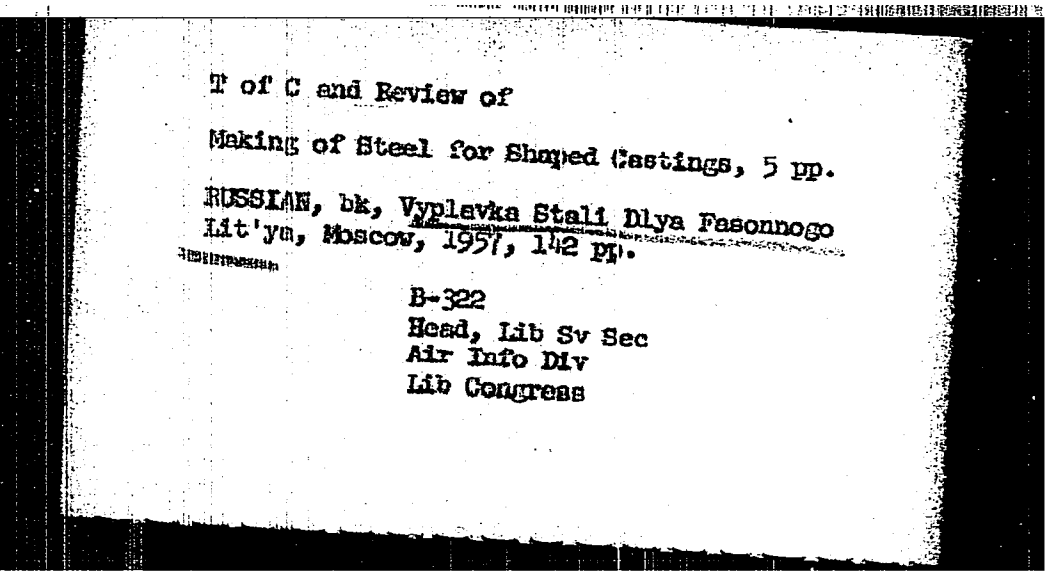
AEC
SCL-T-332

SCI - ENGR
JUN 62

200,000

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



T of C and Review of

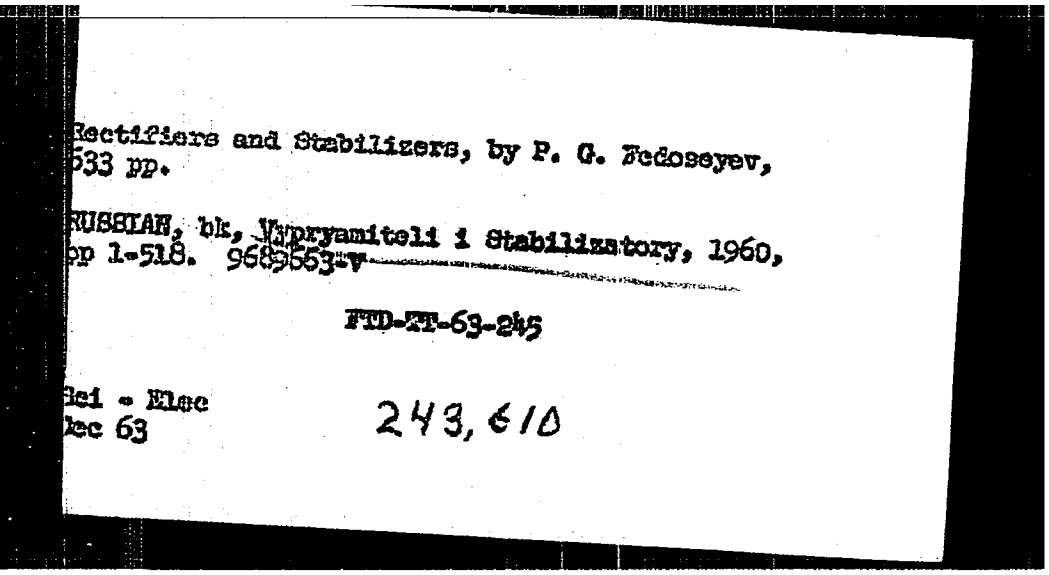
Making of Steel for Shaped Castings, 5 pp.

RUSSIAN, bk, Vyplavka Stali Dlya Fasonnogo Lit'ya, Moscow, 1957, 142 pp.

B-322
Head, Lib Sv Sec
Air Info Div
Lib Congress

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



Rectifiers and Stabilizers, by P. G. Fedoseyev,
533 pp.

RUSSIAN, bk, Vypryamiteli i Stabilizatory, 1960,
pp 1-518. 96895630V

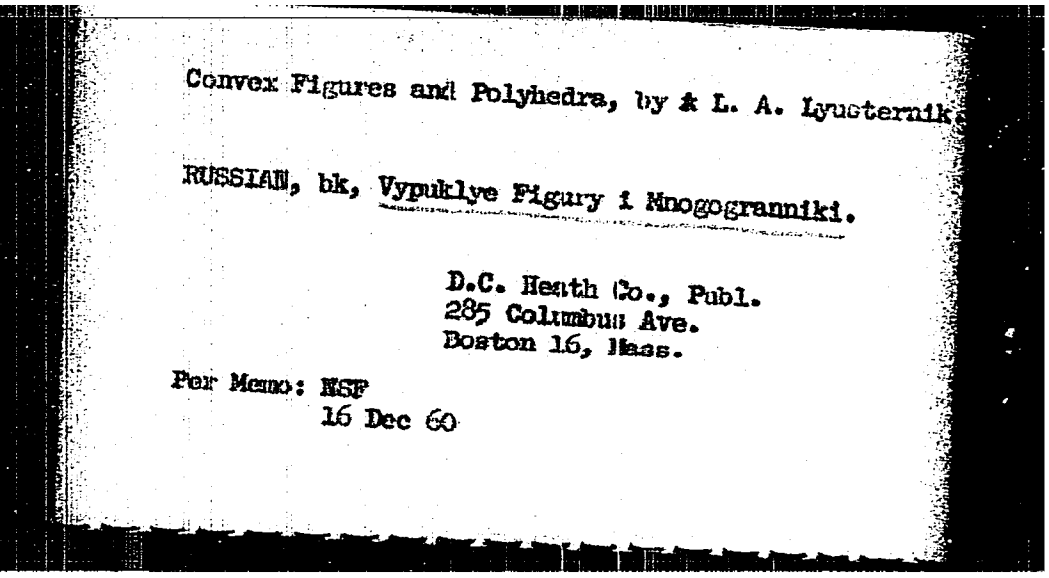
FTD-TT-63-245

Mai - Elec
Dec 63

243,610

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



Convex Figures and Polyhedra, by A. L. Lyusternik

RUSSIAN, bk, Vypuklye Figury i Mnogogranniki.

D.C. Heath Co., Publ.
285 Columbus Ave.
Boston 16, Mass.

Per Memo: NSF
16 Dec 60

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Convex Functions and Orlicz Spaces, by M. A. Krasnosel'skiy, Ya. B. Rutitskiy, 219 pp.

RUSSIAN, bk, Vypuklye Funktsii i Prostranstva Orlicha, 1958.

AEC Tr-4311

Sci - Phys
Jul 61

157, 42 6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Table of Contents and Extracts From the Book, Growing Potatoes, by V. S. Lekhnovich, 6 pp.

RUSSIAN, bk, Vyrashch Kartofeliya, Leningrad, 1949, 59 pp.

Sci Tr Center RT-2428

Scientific - ~~Chemistry~~ Biology
Dec 55 CTS/DEX

28,972

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

S-585/63

Conclusion, by A. R. Luriya (SF-ZZ2723)

RUSSIAN, bk, Vyshiye Kortikovyye Funktsii Cheloveka, Moscow, 1962, pp 395-397.

*JPRS

Sci & Med

Jun 63

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

S-586/63

Table of Contents, (SF-2723)

RUSSIAN, bk, Vyshiye Kortikovyye Funktsii Cheloveka, Moscow, 1962, pp 430-432.

*JPRS

Sci - Med

Jun 63

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Economy and High Efficiency for Machines and Instruments, 11 pp.
RUSSIAN, mp, Vyshka, 23 Oct 1964, p 2.
JPRS 28982

USSR
Econ
Mar 65

276,272

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Int/Bu. of Mines CP-503-67
(TD 21 Mar)

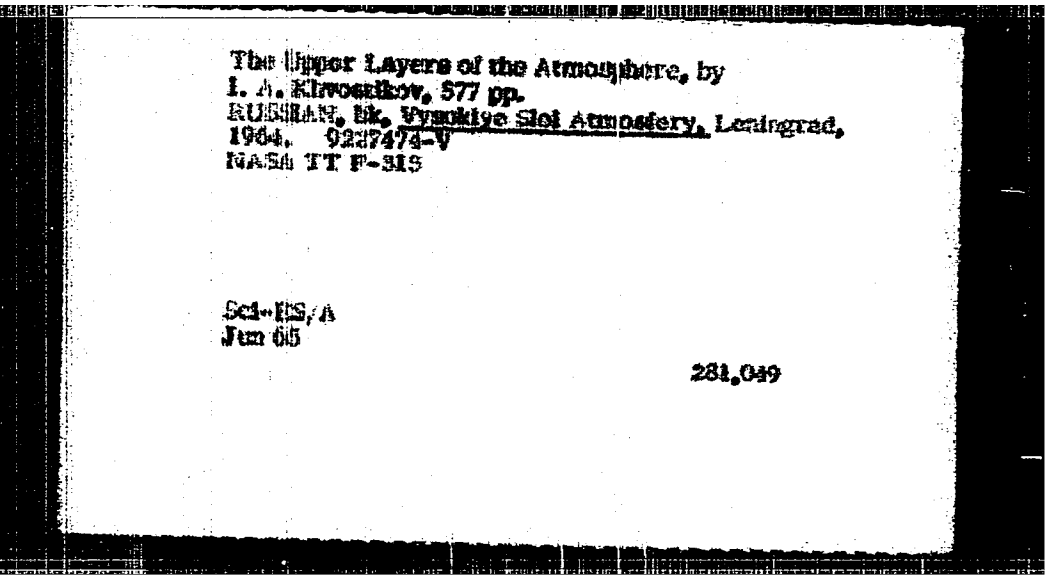
R-8026-D
6 Mar 67

Hydrothermal Synthesis of Fibrous Silicates, by A. D. Fedoseyev, et al.
RUSSIAN, per, Vysokikh Temperature, Adad. Nauk SSSR, Inst. Khim Silikatov, 1963, pp 198-2-7

(10 pp.)

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



The Upper Layers of the Atmosphere, by
I. A. Kivostikov, 577 pp.
RUSSIAN, Bk, Vysokiye Sloi Atmosfery, Leningrad,
1964. 923747-V
NASA TT F-315

Sci-TS/A
Jun 65

281,049

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

High and Ultra-High Pressures in Chemistry,
by M. G. Bonikberg.
RUSSIAN, bk, Vysokie i Sverkhvysokie Davleniya
v Khimii, 1958, 56 p.
NLL R. 34822

Sci-Chem
June 66

301,455

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

High Mountain Forest Soils of Eastern Tibet, by S. V. Zonn, 325 pp.
RUSSIAN, bk, Vysokogornye Lesnye Pochvy Vostochnogo Tibeta, 1964, pp. 1-236.
JPRS 31529

USSR
Sci-Tech
Aug 65

285,699

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

T/C and bk review
High-Refractory Materials and Oxide Product,
by S. G. Tresvyatskiy, A. M. Cherepanov, 5 pp.

RUSSIAN, bk, Vysokoogneupornyye Materialy i
Izdeliya iz Okislov, Moscow, 1957, 246 pp.

B-83
Head, Lib Sv Sec
Air Info Div, Lib Cong

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Polymers with a Conjugated Bond System and Heteroatoms in the Conjugation Chain, XX. Synthesis of Polymeric Phthalocy Anines and Investigation of their Basic Physicochemical Properties, by A. A. Berlin, L. G. Cherkashina, E. I. Balabanov, 16pp.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol 11, No 13/14, 1941, pp 1081-1091.
CFSTI TT-64-18404.

322,348

Sci - Chemistry
Mar 67

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

A Study of the Molecular Structure of Synthetic Fibers. XIII. Polyenathamide, by E. Z. Fainberg.

RUSSIAN, per, Vysokomol Soedineniya, Vol I, No 1, 1959, pp 17-20.

ATS RJ-2117

Sci - Chem

OTS 61-20638

May 60

115,404

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Polymerization of Isoprene With a Butyl Lithium Catalyst, by A. A. Korotkov, N. M. Chesnokova, L. E. Trukhmanova, 11 pp.

RUSSIAN, por, Vysokomol Soedin, Vol I, No 1, 1959, pp 46-56.

PP

Sci - Chem

Apr 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

The Interaction Between Tetramethyl Thiuram Disulphide and Rubber and Compounds Containing an Active Hydrogen Atom in the Molecule, by B. A. Dogadkin, V. A. Shershnev, 13 pp.

RUSSIAN, per, Vysokomol Soedin, Vol I, No 1, 1959, pp 53-67.

PP

Sci - Chem

Apr 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Emulsion Polymerization Under the Influence of γ-radiation, by L. P. Kozhirova, M. K. Yakovlova, A. V. Matveyeva, 7 pp.

RUSSIAN, per, Vysokomol Soedin, Vol I, No 1, 1959, pp 63-71.

PP

Sci - Chem

Apr 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Synthesis and Mechanical Properties of Isotactic Polystyrene, by V. A. Kargin, V. A. Kabanov, I. Yu. Marchenko, 10 pp.

RUSSIAN, per, Vysokomelkulyarnyye Soyedineniya, Vol I, No 1, 1959, pp 94-102.

ATS-04M39R
ATS/RJ-2457
188,899

Sci
Mar 62

Vol IV, No 2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Preparation and Investigation of the Properties of Graft Copolymers Based on Starch and Styrene, by V. A. Kargin,

RUSSIAN, per, Vysokomol Soedineniya, Vol I, No 1. 1959, pp 114-122.

ATS RJ-2127

ATS-83L.36R

Sci - Chem

May 60

115,413

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

The Interaction of Phenyl-β-naphthylamine With Benzoyl Peroxide and the Effect of o-Benzoyl-N-Phenyl-N-β-Naphthylhydroxylamine on the Oxidation of Rubber, by B. A. Dogadkin, E. N. Belyayeva, 3 pp.

RUSSIAN, per, Vysokomol Soedin, Vol I, No 1, 1959, pp 123-125.

PP

Sci - Chem

Apr 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Measurement of Double Refraction of Films [illegible]
Polyethylene Terephthalate, by G. I. Kozhevnikov,
P. V. Kozlov, 4 pp.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya,
Vol I, No 1, 1959, pp 126, 127.

AT3-44m44R
CIA/FDD TX-764
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Physics
Mar 60
USIB INTERNAL USE ONLY

109/738

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

A Study of Macroradicals in Polymerization and Degradation Processes. Part 1, by S. E. Bresler,

RUSSIAN, per, Vysokomol Soedineniya, Vol I, No 1, 1959, pp 132-137.

ATS RJ-2121

Sci - Chem

May 60

also Polymer Sci, USSR Pergamon Press Vol 1, No 1

115,408

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Indicatrix for the Light Scattering of Polymer Solutions and Volume Effects, by V. Ye. Yeskin, 7 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya, Vol I, No 1, 1959, pp 138-142.

SLA 60-16649 also 63-18293

Sci

Apr 62

190,255

Vol IV, No 6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Mikhailov, N. V., Fainberg, E. Z., and Gorbacheva, V. O.
A STUDY OF THE MOLECULAR STRUCTURE OF STEREOREGULAR POLYMERS. I. ISOTACTIC POLYPROPYLENE. 9 May 62 [14]p.
Order from OTS or SLA $1.60 63-10781

Trans. of Vysokomol[ekulyarnye] Soed[ineniya] (USSR) 1959, v. 1, no. 1, p. 143-148.

DESCRIPTORS: *Polyethylene plastics, *Propenes, Polymers, Physical properties, Chemical properties, Molecular structure, X-ray diffraction analysis, Calorimetry, Viscosity, *Plasticizers, *Heptanes.

This paper gives the results of the study of the physico-chemical properties of isotactic polypropylene on the basis of X-ray investigations, data of heat capacity and viscosity of the dilute solutions.
(Materials--Plastics, TT, v. 10, no. 1)

63-10781

I. Mikhailov, N. V.
II. Fainberg, E. Z.
III. Gorbacheva, V. O.
IV. Title: Isotactic...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Formation of Graft Polymers by the Ozonation of Cellulose, by V. A. Kargin, et al. USCL

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya, Vol I, No 1, 1959, pp 149-151.

OTS 60-23810
DSIR LIB RTS 1487

(7s. 6d.)

Sci - Chem

May 60

116617

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Yang, Lin, Derevitskaya, V. A. and Rogovin, Z. A.
DÉVELOPPEMENT DES PROCÉDES DE SYNTHÈSE DES ESTERS DE CELLULOSE AVEC LES ACIDES AMINES N-SUBSTITUÉS (Synthesis of Cellulose Esters with N-Substituted Amino Acids). 5p. 6 refs.
Order from OTS, ETC or CNRS $0.80 62-26490

Trans. in French of Vysokomolekulyarnye Soedineniya (USSR) 1959, v. 1, no. 1, p. 157-161.

DESCRIPTORS: *Cellulose esters, *Amino acids, Synthesis (Chemistry).

(Chemistry--Organic, TT, v. 10, no. 7)

62-26490

I. Yang, Lin.
II. Derevitskaya, V. A.
III. Rogovin, Z. A.
IV. Centre National de la Recherche Scientifique (France)

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Study of the Molecular Structure of Synthetic Fibers. XIV. Physicochemical and Physicomechanical Properties of Polyamides in the Polycaproamide-Polyundecanamide Series, by N. V. Mikhailov,

RUSSIAN, per, Vysokomol Soedineniya, Vol I, No 2, 1959, ~~pp 185-190.~~

ATS RJ-2118
ATS-52M38R

Sci - Chem

May 60

115 405

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Investigation of the Anisotropy of Electrical Conductivity of Polymeric Electrolytes, by V. A. Kargin, S. Ya. Mirlina, Yu. F. Nagornaya, 13 pp.

RUSSIAN, per, Vysokomol Soedin, Vol I, No 2, 1959, pp 191-200.

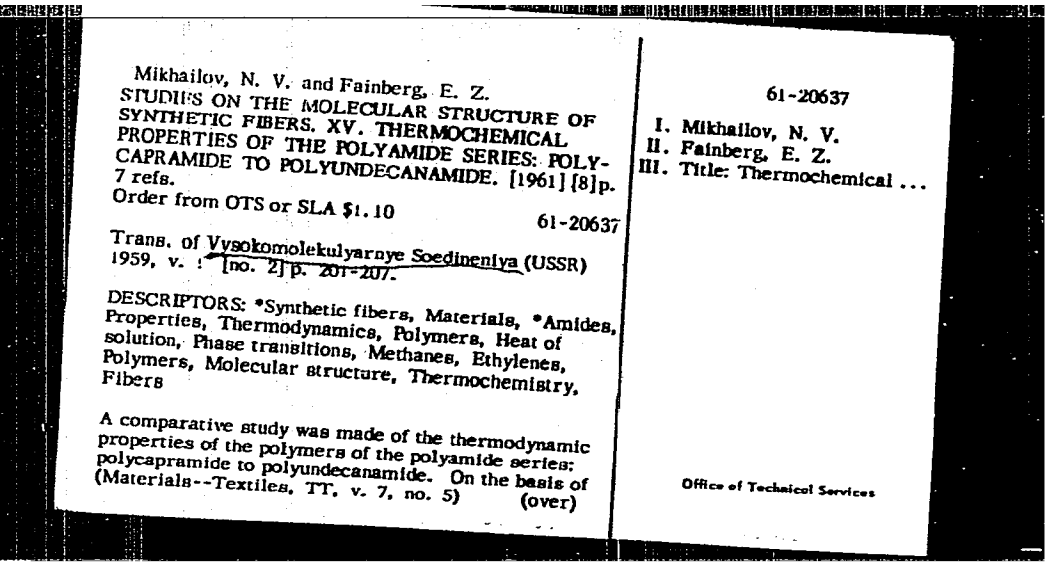
PP

Sci - Chem

Apr 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



Mikhailov, N. V. and Fainberg, E. Z.
STUDIES ON THE MOLECULAR STRUCTURE OF SYNTHETIC FIBERS. XV. THERMOCHEMICAL PROPERTIES OF THE POLYAMIDE SERIES: POLYCAPRAMIDE TO POLYUNDECANAMIDE. [1961] [8]p. 7 refs.
Order from OTS or SLA $1.10 61-20637

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1959, v. 1 [no. 2] p. 201-207.

DESCRIPTORS: *Synthetic fibers, Materials, *Amides, Properties, Thermodynamics, Polymers, Heat of solution, Phase transitions, Methanes, Ethylenes, Polymers, Molecular structure, Thermochemistry, Fibers

A comparative study was made of the thermodynamic properties of the polymers of the polyamide series: polycapramide to polyundecanamide. On the basis of
(Materials--Textiles, TT, v. 7, no. 5) (over)

61-20637

I. Mikhailov, N. V.
II. Fainberg, E. Z.
III. Title: Thermochemical ...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Heterochain Polyamides. XI. Synthesis and Study of Polyamides Containing Sulfide and Sulfone Sulfur in the Chain, by V. V. Korshak, et al.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya, Vol I, 1959, pp 208-214.

ATS/RT-2429
ATS 37/61R

Sci - Chem

also Polymer Sci, USSR, 38, 280
Polymer - Vol 1, No 1

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Serebryakova, Z. G. and Mikhailov, N. V.
INVESTIGATION OF THE MOLECULAR STRUCTURE OF SYNTHETIC FIBERS. XVI. INVESTIGATION OF THE SORPTION PROPERTIES OF POLYAMIDE FIBERS AS A FUNCTION OF THEIR STRUCTURE. [1961] [11]p. 20 refs.
Order from OTS or SLA $1.60 61-20644

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1959, v. 1, no. 2, p. 222-229.

DESCRIPTORS: *Synthetic fibers, *Molecular structure, Fibers, Adsorption, Absorption, Amides, Polymers.

It was established that sorption of water vapor by capron fiber is not connected with the magnitude of external and internal surface, but rather with terminal -CONH- groups of the polymer and occurs by a
(Physics--Molecular, TT, v. 7, no. 6) (over)

61-20644

I. Serebryakova, Z. G.
II. Mikhailov, N. V.
III. Title: Investigation of the sorption...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

The Diffusion Theory of Adhesion, by S. S. Voyutskiy.

RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol I, No 2, 1959, pp 230-239.

SLA 61-13484
DSIR LLU RTS 1505
" M-2315 (LOHH)

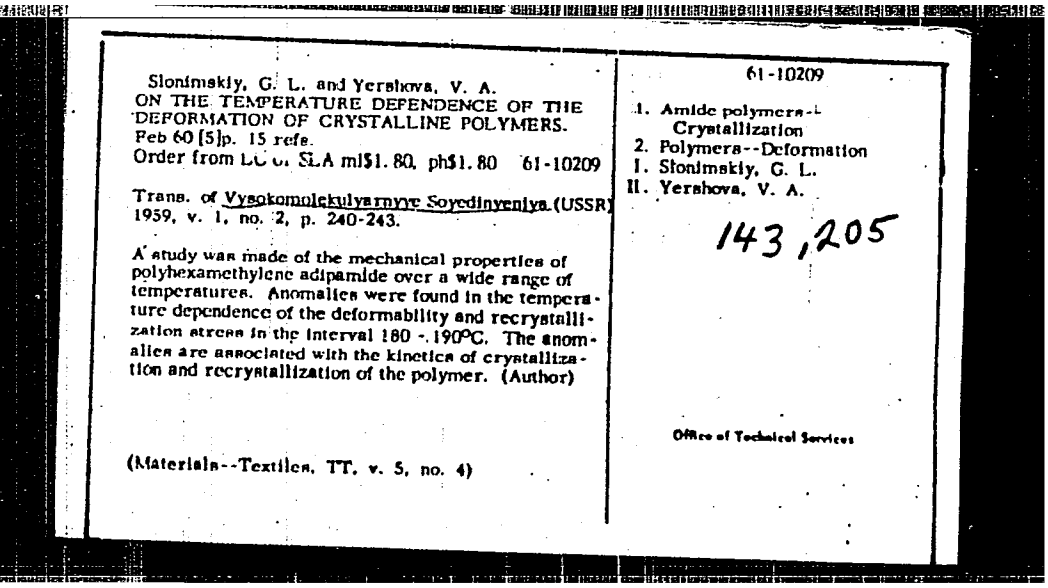
Sci - Phys

128,835

Oct 60

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



Slonimskiy, G. L. and Yershova, V. A.
ON THE TEMPERATURE DEPENDENCE OF THE DEFORMATION OF CRYSTALLINE POLYMERS.
Feb 60 [5]p. 15 refs.
Order from LC O. S.A mi$1.80, ph$1.80 61-10209

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1959, v. 1, no. 2, p. 240-243.

A study was made of the mechanical properties of polyhexamethylene adipamide over a wide range of temperatures. Anomalies were found in the temperature dependence of the deformability and recrystallization stress in the interval 180 -.190°C. The anomalies are associated with the kinetics of crystallization and recrystallization of the polymer. (Author)

(Materials--Textiles, TT, v. 5, no. 4)

61-10209

1. Amide polymers--Crystallization
2. Polymers--Deformation
I. Slonimskiy, G. L.
II. Yershova, V. A.

143,205

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

The Action of Binary Systems of Vulcanization Accelerators, by B. A. Dogadkin, M. S. Fel'dshtein, E. N. Belyayeva, 14 pp.

RUSSIAN, per, Vysokomol Soedin, Vol I, No 2, 1959, pp 254-264.

PP

Sci - Chem

Apr 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Polymerization in Systems Obtained by the Method of Molecular Beams, by V. A. Kargin,

RUSSIAN, per, Vysokomol Soedineniya, Vol I, No 2, 1959, pp 265-268.

ATS RJ-2124

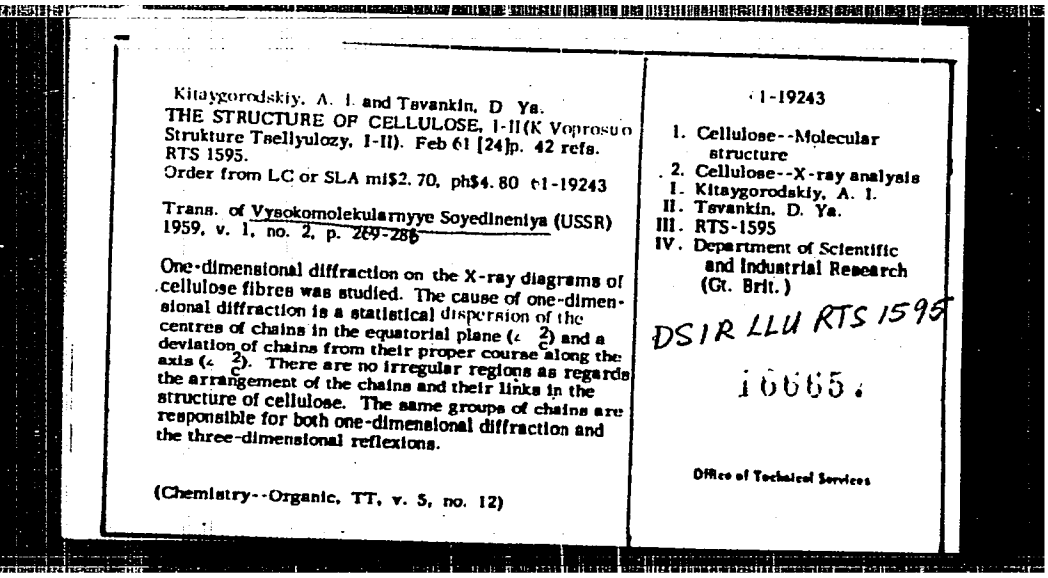
Sci - Chem

May 60

115,410

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



Kitaygorodskiy, A. I. and Tsvankin, D Ya.
THE STRUCTURE OF CELLULOSE, I-II(K Voprosu o Strukture Tsellyulozy, I-II). Feb 61 [24]p. 42 refs. RTS 1595.
Order from LC or SLA mi$2.70, ph$4.80 61-19243

Trans. of Vysokomolekularnyye Soyedineniya (USSR) 1959, v. 1, no. 2, p. 269-285

One-dimensional diffraction on the X-ray diagrams of cellulose fibres was studied. The cause of one-dimensional diffraction is a statistical dispersion of the centres of chains in the equatorial plane ($\frac{a}{2}$) and a deviation of chains from their proper course along the axis ($\frac{c}{2}$). There are no irregular regions as regards the arrangement of the chains and their links in the structure of cellulose. The same groups of chains are responsible for both one-dimensional diffraction and the three-dimensional reflexions.

(Chemistry--Organic, TT, v. 5, no. 12)

61-19243

1. Cellulose--Molecular structure
2. Cellulose--X-ray analysis
I. Kitaygorodskiy, A. I.
II. Tsvankin, D. Ya.
III. RTS-1595
IV. Department of Scientific and Industrial Research (Gt. Brit.)

DSIR LLU RTS 1595

16665

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

From the Field of Hetero-Chain Polyamides. XIII. Mixed Polyamides Containing Sulfur Atoms in the Principal Chain, by T. M. Frunze, V. V. Korshak, 8 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya, Vol I, 1959, pp 293-300.

ATS-3EM41R
ATS/RJ-2430

Sci

24 Mar 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

The Heterogeneous Polymerization of Sodium Acrylate in the Presence of Other Salts, by V. A. Kargin, V. A. Kabanov, G. P. Andrianova, 15 pp.

RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol I, No 2, 1959, pp 301-307. 9670224

ATIC MCL-8497/1

Sci - Chem

161,357

Jul 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Andreyeva, N. S.
THE RELATIONSHIP BETWEEN THE CONFIGURATION OF FIBROUS PROTEINS AND THEIR CHEMICAL STRUCTURE (O Svyazi Prostranstvennoy Struktury Fibrillyarnykh Belkov s ikh Khimicheskim Stroyeniyem). Jan 61 [12]p. 24 refs. RTS 1596. Order from LC or SLA mi$2.40, ph$3.30 61-15643

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1959, v. 1, no. 2, p. 308-314.

An analysis has been made of the dependence of the steric structure of the most important fibrous proteins on their chemical structure. Known polypeptide chain configurations of fibrous proteins are divided into two groups: those which are insensitive to the sequence of amino acids along the peptide chains, and those determined by a specific arrangement of amino acid residues. It has been shown that the first group, which includes all α-structures, may also include proteins with a statistical or almost statistical arrangement of
(Chemistry--Organic, TT, v. 5, no. 7) (over)

61-15643

1. Proteins--Analysis
I. Andreyeva, N. S.
II. RTS-1596
III. Department of Scientific and Industrial Research (Gt. Brit.)

148, 761

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

The Role of Free Radicals in the Low-Temperature Cross Linking (Vulcanization) of Rubber, by B. A. Dogadkin, E. N. Belyayeva, 10 pp.

RUSSIAN, per, Vysokomol Soedin, Vol I, No 2, 1959, pp 315-323.

PP

Sci - Chem

Apr 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Kozlov, P. V. [Kubanov, V. A., and Frolova, A. A.]
CERTAIN CORRELATIONS IN THE DEVELOPMENT OF UNIAXIAL DEFORMATION IN CRYSTALLINE AND VITREOUS FILMS OF POLYETHYLENE TEREPHTHALATE. [1960] 12p. 11 refs.
Order from LC or SLA ml$2.40, ph$3.30 60-18439

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1959, v. 1, no. 2, p. [324-329].

Polyethylene terephthalate was used to observe the uniaxial deformation of film in the glassy condition and of crystalline films. It was shown that the formation of the so-called "neck" which can take place in "cold stretching" of crystalline and in forced-elastic deformation of amorphous polymers is governed not by phase changes but has a purely relaxation character. The results obtained can be interpreted on the basis of the assumption of a "packet" structure of the crystalline and the amorphous polymers developed by Kargin, Kitaigorodskii and Slonimskii (Kolloid. Zhur. 19: 131, 1957) (Author)

60-18439

1. Ethylene polymers--Crystal structure
I. Kozlov, P. V.
II. Kubanov, V. A.
III. Frolova, A. A.

143,034

Office of Technical Services

(Chemistry--Organic, TT, v. 5, no. 3)

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Chemical Grafting on Crystalline Surfaces, by V. A. Kargin, N. A. Plate,

RUSSIAN, per, Vysokomol Soedineniya, Vol I, No 2, 1959, pp 330-331.

ATS RJ-2128

Sci - Chem

May 60

115,414

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Hetero-Chain Polyesters. XVII. Polyesters of Phosphorus-Containing Dicarboxylic Acids, by S. V. Vinogradova,

RUSSIAN, per, Vysokomol Soedineniya, Vol I, No 3, 1959, pp 357-361.

ATS RJ-2134
ATS-33L37R

Sci - Chem

May 60

115420

Vysokomol Soedin
USSR - Pergamon Press

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Kolesnikov, G. S. and Klimentova, N. V.
CARBON CHAIN POLYMERS AND COPOLYMERS. X. BLOCK POLYMERIZATION OF METHYLMETHACRYLATE IN THE PRESENCE OF TRIBUTYLBORON.
May 61 [12]p. 3 refs. Technical notes FRL-TN-48; AD-256 286.
Order from OTS or SLA $1.60 61-19779

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1959, v. 1, no. 3, p. 362-366.

DESCRIPTORS: *Polymers, Synthesis, Molecular structure, *Acrylic resins, Polymerization, Methyl radicals.

The kinetics of block polymerization of methylmethacrylate in the presence of tributylboron was studied, and the effect of temperature and catalyst concentration on the polymerization rate and on the molecular weight of polymethylmethacrylate elucidated. (Author)

(Chemistry--Organic, TT, v. 6, no. 6)

61-19779

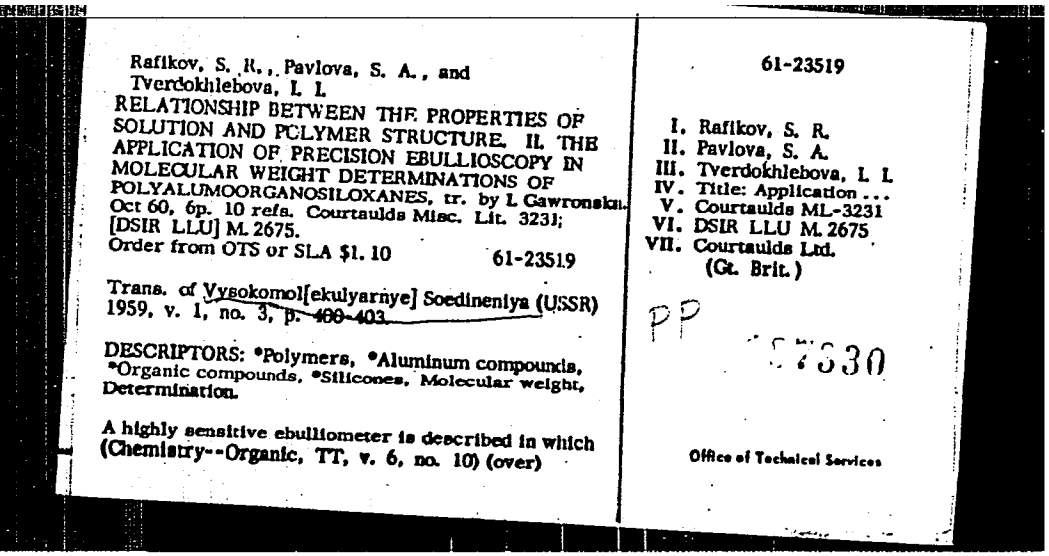
I. Kolesnikov, G. S.
II. Klimentova, N. V.
III. Title: Block . . .
IV. FRL TN-48
V. Feltman Research Labs., Picatinny Arsenal, Dover, N. J.
VI. Joint Publications Research Service, New York
VII. AD-256 286

176626

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6



Rafikov, S. R., Pavlova, S. A., and Tverdokhlebova, I. I.
RELATIONSHIP BETWEEN THE PROPERTIES OF SOLUTION AND POLYMER STRUCTURE. II. THE APPLICATION OF PRECISION EBULLIOSCOPY IN MOLECULAR WEIGHT DETERMINATIONS OF POLYALUMOORGANOSILOXANES, tr. by L. Gawronski. Oct 60, 6p. 10 refs. Courtaulds Misc. Lit. 3231; [DSIR LLU] M. 2675.
Order from OTS or SLA $1.10 61-23519

Trans. of Vysokomol[ekulyarnye] Soedineniya (USSR) 1959, v. 1, no. 3, p. 400-403.

DESCRIPTORS: *Polymers, *Aluminum compounds, *Organic compounds, *Silicones, Molecular weight, Determination.

A highly sensitive ebulliometer is described in which (Chemistry--Organic, TT, v. 6, no. 10) (over)

61-23519

I. Rafikov, S. R.
II. Pavlova, S. A.
III. Tverdokhlebova, I. I.
IV. Title: Application ...
V. Courtaulds ML-3231
VI. DSIR LLU M. 2675
VII. Courtaulds Ltd. (Gt. Brit.)

PP

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Kolesnikov, G. S., Rodionova, E. F., and Fedorova, L. S.

CARBON-CHAIN POLYMERS AND COPOLYMERS. XI. SYNTHESIS, POLYMERIZATION AND COPOLYMERIZATION OF ESTERS OF VINYLPHOSPHONIC ACID. [1961] 6p.

Order from ATS $11.65 ATS-57N56R

Trans. of Vysokomolekularnye Soedineniya (USSR) 1959, v. 1, no. 3, p. 367-372.

Another trans. is available from OTS or SLA $1.60 as 61-18631 [1961] 12p.

DESCRIPTORS: *Polymers, Synthesis, Molecular structure, Polymerization, *Phosphonic acids, Copolymerization, Esters, *Vinyl radicals (Phosphonic).

(Chemistry--Organic, TT, v. 7, no. 3)

62-12157

I. Kolesnikov, G. S.
II. Rodionova, E. F.
III. Fedorova, L. S.
IV. ATS-57N56R
V. Associated Technical Services, Inc., East Orange, N. J.

ATS-RJ-3072

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Chemical Conversion of Polymers-II. Polyoxyethylation of Polyamides, by S. R. Rafikov, G. N. Chelnokova, P. N. Gribkova, 11 pp.

RUSSIAN, per, Vysokomol Soedin, Vol I, No 3, 1959, pp 378-386.

PP

Sci - Chem

Apr 61

NLL M 8887

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6

Mikhailov, N. V., Tokareva, L. G., and Fainberg, E. Z.
ON THE COMPATIBILITY AND MECHANISM OF STABILIZATION OF FIBER-FORMING POLYMER MIXTURES. 2 Nov 62 [14]p. 10 refs.
Order from OTS or SLA $1.60 63-10836

Trans. of Vysokom[olekulyarnye] Soed[ineniya] (USSR) 1959, v. 1, no. 3, p. 404-409.

DESCRIPTORS: *Polymers, *Plastics, Fibers (Synthetic), Compatibility, Stabilization, Chemical bonds, Acetyl radicals, Cellulose compounds, *Vinyl chlorides, Nitrocellulose, Chlorination, Heat of solution.

The compatibility of the polymers diacetyl cellulose-chlorinated polyvinyl chloride and nitrocellulose-chlorinated polyvinyl chloride was investigated. The (Materials--Plastics, TT, v. 9, no. 12) (over)

63-10836

I. Mikhailov, N. V.
II. Tokareva, L. G.
III. Fainberg, E. Z.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900073-6